THE NAV ONE 2100 SYSTEM. The following items should be in the package:

THANK YOU FOR PURCHASING

1. The NAV ONE system unit.

3. A 12-volt fused

power cord.

2. A mounting bracket

with suction cup.

- 4. A 120-Volt Adapter.
- 5. A foam cushion strip.
- 6. This Manual. 7. Product registration
- card. (Or register online at www.cobra.com) **ABOUT THE NAV ONE SYSTEM**

### Your unit is complete with a map of the entire United States and Canada as well as a database of millions of points

of interest to help you navigate your vehicle. Except for the **Power** and **Custom** function buttons, all the

controls are available with a few touches of the screen. However, do not rely entirely on the unit while driving and keep in mind the accompanying Important Information.

**MORE INFORMATION** 

These Operating Instructions combined with the intuitive nature of the controls should have you up and running quickly.

# For online support, visit www.cobra.com.

## With the SmartPower feature turned on, a NAV ONE unit plugged into a power port that does not turn off with the ignition, will not drain the vehicle's battery. The factory setting is on.

Using the NAV ONE is the most effective way to

learn about it. View the demonstration program

Advanced Mode → Menu → Settings → Demo

Then don't hesitate to explore your own entries to see

There are provisions to delete entries and, if things get

Menu → Settings → System → Reset Factory Defaults

really tangled up, the factory defaults can be reset using

SmartPower shuts the system down when there is a combination of no vehicle motion and no button press for 15 minutes.

With SmartPower off, the system continues to operate until it is turned off with the Power button (or with the ignition if the power

port is connected to it).

### and cautions before installing and using the Cobra NAV ONE system. The user is responsible for operating this product

Important Information

wisely. This NAV ONE unit is intended for use only as a navigational aid and should not be relied upon to the exclusion of other information. Be aware of conditions around the vehicle and compare them to

Your safety is important. Please read all warnings

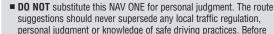
the information provided by the NAV ONE system. CAUTION Observe the following precautions to avoid damage to the unit or personal inconvenience. ■ This unit is not waterproof. Do not allow liquids to splash on



### it nor expose it to rain during operation or transfer from vehicle to vehicle.

■ The Global Positioning System is provided and operated by the U.S. government, which is solely responsible for its accuracy and

- maintenance. That system is subject to changes, which could affect the accuracy and performance of this NAV ONE unit. ■ The NAV ONE's map database provides information on suggested routes without regard to some factors that may affect the user's
- driving experience. For example, the system does not reflect all road detours, closures or construction, some road characteristics (such as road surface, slope or grade, weight or height restrictions, etc.), weather conditions and similar factors. Use personal judgment or the navigation system's detour function to
- develop an alternate route if necessary. Installation



WARNING

collision causing severe injury or death.

TRY IT OUT

by choosing:

how they work.

suggestions should never supersede any local traffic regulation, personal judgment or knowledge of safe driving practices. Before making any maneuvers suggested by the NAV ONE system (for example, a U-turn or a left turn), verify that the maneuver can be

Avoid the following hazardous situations that could result in a

- legally and safely completed. Do not follow route suggestions that would take the vehicle into an unsafe situation or locality. ■ DO NOT program this NAV ONE while driving. Only a passenger should operate controls or program the unit while the vehicle is in motion. The driver should not program the system unless the vehicle is parked in a safe location.
- DO NOT depend on this NAV ONE system to locate emergency services (such as police, fire stations, hospitals and clinics). The database may not include all emergency service providers. Use judgment and ask for directions in these situations.
- DO NOT disassemble or modify the system. If a problem occurs, stop using the system immediately and contact Cobra. ■ DO NOT be distracted by the NAV ONE. DO position the unit so it can be seen at a glance when safe to do so. DO listen to the voice

guidance. **D0** set the volume so you can hear outside traffic and

emergency services alarms.

Observe the following measures to prevent a collision or other

■ DO NOT position the unit in a location that obstructs the driver's view of the road or vehicle instruments or controls. DO NOT mount the unit over airbag panels or within airbag

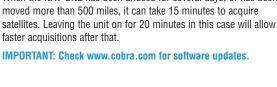
condition that could cause serious injury or death.

### The NAV ONE can be easily mounted to the vehicle's windshield with the included bracket and suction cup. Or, an alternative secure mounting can be used.

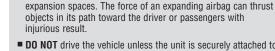
INSTALLATION



faster acquisitions after that.



Let the antenna "see" the sky.



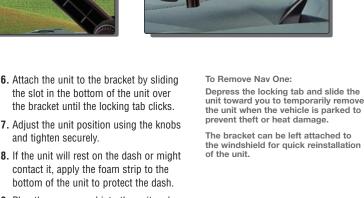
■ DO NOT drive the vehicle unless the unit is securely attached to the windshield with the supplied bracket and suction cup or is

- fastened by other reliable means to keep it from becoming a projectile hazard inside the vehicle in the event of a violent maneuver or collision
- **7** NOTE Some states / provinces prohibit attachment of any articles to
  - windshields or side or rear windows. Drivers in these areas should use the dash mounting disk or another secure mount. Users should determine if restrictions apply to jurisdictions where they drive.



# cup base and then push the lock lever

- 5. Test the suction cup adhesion by pulling
- and tighten securely. 8. If the unit will rest on the dash or might contact it, apply the foam strip to the bottom of the unit to protect the dash. 9. Plug the power cord into the unit and the vehicle's 12-volt power port.
- Controls, Indicators and System Overview



Nothing Comes Close to a Cobra® | 5

Power Button (on side of unit) Press to turn the unit off. Press and hold to turn it off.

SmartPower default is on. See description on page 2.

Press to quickly bring up a frequently used function you have chosen. (Default function is "Menu.") Press and hold for 2 seconds to change from the chosen

Menu Key (User Programmable Key)

function to any other on the available list.

NAVIGATION IN PROGRESS

CONTINUE NAVIGATION TO:

XXXXXX XXXX N. BLANKS ST. CITY, STATE, XXXXX

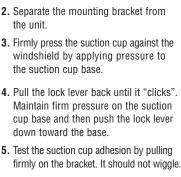
CONTINUE

CZMS

System in

View Mode

Illuminated Touch Screen



# ×

# Touch the on-screen buttons and icons to activate unit functions.





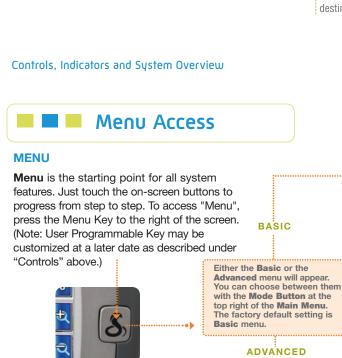
Bracket Mounting Slots

Continuation from the warning message depends on whether or not a navigation was in progress when the unit was last

**PROGRESS** 

CANCEL

**NAVIGATION** WAS NOT IN **PROGRESS** 



**7** NOTE Menu can be pressed at any time to select a destination and switch to the Navigation mode. Nothing Comes Close to a Cobra® 7 WHAT WOULD YOU LIKE TO DO? ETTINGS

unless the vehicle is parked in a safe location. O HOME

VOLUME **BRIGHTNESS** CLOSE Speaker volume and display brightness are adjusted using the + and - buttons on the touch screen. The button between the + and - **Volume** buttons toggles the system between mute and un-mute without affecting the volume setting.

ADDRESS BOOK allows entry and storage of addresses: ■ View Entries lets you see the entries you've made and quickly choose from them. Add to Book lets you enter addresses using an on-screen keyboard.

- Trails lets you record a trail to retrace your steps or repeat the trip.
- Save Current Location quickly adds the current location to the address book.
- of the map including vehicle icon, map direction and view angle. ■ **Demo** provides an interactive demonstration of the NAV ONE and all its features.
- **Help** gives tips on using features of the NAV ONE. ■ System Information provides information about the
  - system software version and similar items.
- FIND INTEREST POINTS allows choice of a destination from millions of interest points in the NAV ONE database.
- lodging, to quickly narrow your search. ■ Favorite Brands lets you select a specific brand of interest points to save as a favorite.
- City Name allows you to route to a city by name, without entering a specific address.

Nothing Comes Close to a Cobra® 9

LANGUAGE CHOICES

At this display, the user has

The Advanced menu provides all the tools available on the NAV ONE. The Destination Address menu is shown.

Press the buttons on the bottom of the touch screen to move to other functions

**SYSTEM** provides four utilities: Settings allows you to customize the NAV ONE to your preferences: - System adjusts settings including time zone and key click sounds. - Navigate lets you control how the system will calculate your route, such as whether or not to use freeways or make U-turns. · Map lets you set your preferred appearance

**DESTINATION ADDRESS** 

Telephone numbers are included with addresses. Points can be found in any of four ways: ■ Name Search lets you spell out the name of a place using an on-screen keyboard. ■ Category Search lets you choose categories, such as

System in

Navigation Mode

The Basic menu provides access to the most frequently used tools.

WARNING

**DO NOT** program this NAV ONE

while driving. Only a passenger should operate controls or

program the unit while the vehicle is in motion. The driver should not program the system

----- GO TO MAP

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POWER INVERTERS

to order any of our products, For more information or

**VCCESSORIES** 

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НАИDHELD GPS RECEIVERS SAFETY ALERT® TRAFFIC WARNING SYSTEMS RADAR/LASER DETECTORS MICROTALK® RADIOS CB RADIOS

> PRODUCTS INCLUDES: THE COBRA LINE OF QUALITY

NAV ON

FOR ASSISTANCE OUTSIDE THE U.S.A.

product info@cobra.com (e-mail).

-- Contact the local dealer

--- Technical Assistance (English and Spanish) (on-line: Frequently Asked Questions).

• Technical Assistance (English only) www.cobra.com Faxes can be received at 773-622-2269 (fax). ••• Questions (English and Spanish)

(except holidays) at 773-889-3087 (phone). 8:00 a.m. to 6:00 p.m. Central Time, Mon. through Fri. Customer Assistance Operators (English and Spanish)

7 days a week at 773-889-3087 (phone). ••• Automated Help Desk (English only) 24 hours a day, FOR ASSISTANCE IN THE U.S.A.

offers the following customer assistance services: reading these instructions, Cobra Electronics

these instructions For further assistance after product or its many features, please reter to Should you encounter any problems with this **CUSTOMER ASSISTANCE** 

### **NAVIGATION** After a destination is selected, the NAV ONE lets you preview and choose from multiple route possibilities.

**Navigation** 

As soon as one is chosen, the Map is shown in Navigation mode.



Touch the **INFO** button for more information and route options.

show more area, but less detail. Shows route info and options.

Zooms in to show less area

but more detail.

Zooms out to

Touch a Maneuver Bar

and develop an alternate route around it.

to reach options to:

■ Jump ahead on the Map to see the maneuver.

Avoid the maneuver

Selecting a Point on the Map

and Panning the Map

for example, or to stop navigation altogether. EXIT 32B, DES PLAINES/RIVER

**NAVIGATE** allows

recalculation of the route

during a trip: to detour,

trip including mileage, speed and time.

TRIP DATA provides

information on the

current or completed



### window with a list of possible actions related to where you've touched. The **Point** window also provides options to:

**SELECTING A POINT ON THE MAP** 

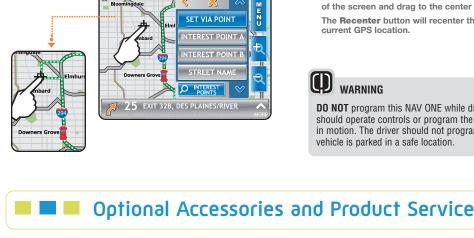
■ Determine the latitude and longitude of a point. ■ Identify road segments to be avoided in future route developments.

Quickly zoom from street to neighborhood to state levels.

Touch the Map at any point to bring up a Point

point intermediate destination) to your route

- while in Navigation mode.
- View Interest Points
- SET VIA POINT



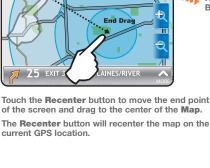
**PANNING THE MAP** 

MENU Recenter Button

You can easily view areas that are currently off the Map.

Touch the screen at any point and quickly drag your

finger in the direction you want the Map to move.



DO NOT program this NAV ONE while driving. Only a passenger should operate controls or program the unit while the vehicle is in motion. The driver should not program the system unless the vehicle is parked in a safe location.

serviced and returned:

WARNING

If this product should require factory service, please call Cobra first before sending the product. This will ensure the fastest turnaround time on any repair. If Cobra asks that the product be sent to its factory,

the following must be furnished to have the product

### With optional traffic receiver, receive up-to-date traffic information to help you avoid congested roads or

**OPTIONAL ACCESSORIES** 

updates are available.

necessarv).

traffic incidents. View color-coded speeds and traffic incidents along your route. Re-route around congestion.

currently covering 49 major metro areas.

Optional accessories and map database

View constantly updated ETA based on current traffic. Traffic and incident reports are provided through Traffic Message Channels over FM radio Data System,

■ Real-Time Traffic (Optional Receiver/Subscription

For more information about optional accessories and how to order them, please visit www.cobra.com or call 1-773-889-3087, 8:00 am - 6:00 pm Central Time, Monday through Friday (except holidays). **PRODUCT SERVICE** For any questions about operating or installing this new Cobra product, or if parts are missing

...PLEASE CALL COBRA FIRST...do not return

1. For Warranty Repair, include some form of proof-of-purchase, such as a reproduction or carbon of a sales receipt. Make sure the date of purchase and product model number are clearly readable. If the originals are sent, they cannot be returned. 2. Send the entire product. 3. Enclose a description of the product malfunction, a typed or clearly printed name and address of where the product is to be returned and a phone number (required for shipment).

- 4. Pack the product securely to prevent damage in transit. If possible, use the original packing material. 5. Ship prepaid and insured by way of a traceable carrier such as
- United Parcel Service (UPS) or Priority Mail (to avoid loss in transit) to: Cobra Factory Service, Cobra Electronics Corporation, 6500 West Cortland Street, Chicago, Illinois 60707 U.S.A. 6. If the product is in warranty, upon receipt of the product, it
- Please allow approximately 3 4 weeks before contacting Cobra for status. If the product is out of warranty, a letter will automatically be sent with information as to the repair charge or replacement charge. For any questions, please call 773-889-3087 for assistance.

will either be repaired or exchanged depending on the model.

Maintenance, FCC and Troubleshooting **FCC COMPLIANCE** This device complies with Part 15 of the FCC interference limits for Class B digital devices for home or office use.

These limits are designed to provide more reasonable protection against harmful interference in a residential installation and are more stringent than "outdoor" requirements.

1. This device may not cause harmful interference, and

2. This device must accept any interference received,

Operation of this device is subject to the following conditions:

including interference that may cause undesired operation.

scratch the display screen.

**MAINTENANCE** 

this product to the store.

Very little maintenance is required to keep this NAV ONE system in good operating condition. ■ Keep the unit components clean by wiping with a soft cloth. Do not use solvents, glass cleaners or harsh

■ Protect the unit from moisture and from being dropped or struck by hard objects to prevent damage.

■ Consult the Cobra website (www.cobra.com) for the latest software and database updates.

or abrasive products that could damage the case or

- **TROUBLESHOOTING PROBLEM** POSSIBLE CAUSE(S) Power switch is turned off. Fuse in 12-volt power cord is blown. Display does not power up.
- "No satellite signal" appears on the display at power up. GPS is not working properly.

Warranty

COBRA ELECTRONICS CORPORATION warrants that its Cobra

in workmanship and materials for a term of one year from the date of first consumer purchase. This warranty may be enforced

by the first consumer purchaser, provided that the product is

Cobra will, without charge, repair or replace, at its option, defec-

tive NAV ONE products or component parts upon delivery to the

shipping will be at Cobra's expense if the product is repaired or

This warranty gives the consumer specific rights, and he or she

NAV ONE, and the component parts thereof will be free of defects

# Changes or modifications to the NAV ONE system may void its compliance with FCC rules and make its use illegal. SOLUTION(S) Turn the unit on with the Power button.

### Check for green LED on 12-volt power plug. Unscrew the fuse holder, inspect the fuse and replace it if blown. No voltage is present at the vehicle's power port Troubleshoot vehicle wiring. NOTE for some power points, ignition key must be at RUN position for the point to be energized. Move vehicle to open area and make sure the GPS antenna has a clear view of the sky. GPS antenna cannot "see" the sky. Turn unit off, then on to check for satellite signal. If the "no satellite signal" message appears, go to the previous step. If the unit is receiving a signal, go to the next step. System does not reflect movement while driving Drive to a main road. If the map shows the road, the system is working properly, but the area is not fully mapped. Geographic area is not fully mapped. Vehicle motion is not evident or the Map is blank. Map is zoomed in too far

### Cobra Factory Service Department, if accompanied by proof of the date of first consumer purchase, such as a duplicated copy of a sales receipt. The consumer must pay any initial shipping charges required to ship the product for warranty service. Return

replaced under warranty.

used solely within the U.S.A and Canada.

WARRANTY

COBRA MAKES NO WARRANTY AS TO THE ACCURACY OR COMPLETENESS OF THE MAP DATA UTILIZED IN THE NAV ONE PRODUCTS AND DISCLAIMS ALL EXPRESS, IMPLIED OR STATUTORY WARRANTIES, INCLUDING ANY IMPLIED OR STATUTORY WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. It is the user's responsibility to use this product prudently and responsibly. This product is intended to be used only as a travel aid and must not be

# may also have other rights which vary from state to state. **₹** NOTE

User License and Trademark Acknowledgement

# used for any purpose requiring precise measurement of direction, distance, location and/or topography.

**EXCLUSIONS - THIS LIMITED WARRANTY** 

2. In the event of misuse or abuse of the product or

as a result of unauthorized alterations or repairs;

4. If the owner of the product resides outside the U.S.A

3. If the serial number has been altered, defaced or removed;

All implied warranties, including warranties of merchantability

and fitness for a particular purpose are limited in duration to the term of this warranty. COBRA SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES; INCLUD-

1. To any product damaged by accident;

**DOES NOT APPLY:** 

and Canada.

some consumers.

Cobra encourages customers to report any errors found in our electronic maps by contacting technical assistance (available in English and Spanish) at product info@cobra.com (e-mail), by visiting our website: www. cobra.com, or by calling customer assistance (available in English and Spanish) at 773-889-3087 between 8:00 a.m. and 6:00 p.m. Central Time, Monday through Friday (except holidays). If End User is the United States Government, then use, reproduction or disclosure of this commercial product and accompanying documentation may be subject to DFARS 252.227-7014(a)(1); DFARS 252.227-7202-1; FAR 52.227-19) Alternates I, II, and III; and/or FAR 12.211 and FAR 12.212 as applicable and/or similar successor clauses in FAR, or the DOD or NASA FAR

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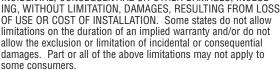
Cobra®, Intelligent Accelerated Satellite Acquisition Protocol (iASAP)

TRADEMARK ACKNOWLEDGEMENT

**NAV ONE 2100** 









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